

COC# 79

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CHAIN OF CUSTODY REPORT

Work Order #: M106038

CLIENT: BRISTOL		INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>5 4 3 2 1 <1</div> <div>STD.</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>5 4 3 2 1 <1</div> <div>STD.</div> <div>OTHER</div> <div>Please Specify</div> </div> <p><small>*Turnaround Requests less than standard may incur Rush Charges.</small></p>						
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090																
ADDRESS: AMCHITKA ISLAND, ALASKA																		
PHONE: 907-710-0974		FAX: 770-0975																
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES																
PROJECT NUMBER: 21090																		
SAMPLED BY: ARK/CEM																		
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ACID													MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. OI AM B931SL	6/13/01 1530	✓													S	1		
2. OI AM B932SL	6/13/01 1535	✓													S	1		
3. OI AM B933SL	6/13/01 1540	✓													S	1		
4. OI AM B934SL	6/13/01 1545	✓													S	1		
5. OI AM B935SL	6/13/01 1550	✓													S	1		
6. OI AM B935SL	6/13/01 1555	✓													S	1		
7.																		
8.																		
9.																		
10.																		
11.																		
12.																		
13.																		
14.																		
15.																		

RELINQUISHED BY: <i>Charlie Marshall</i>	DATE: 6/13/01	RECEIVED BY: <i>Tom McLean</i>	DATE: 6/13/01
PRINT NAME: Charlie Marshall	TIME: 1748	PRINT NAME: Tom McLean	TIME: 1755
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
FIRM: BRISTOL		FIRM: NCA	

ADDITIONAL REMARKS:	TEMP:	PAGE	OF
COC REV 3/99			



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6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/13/01 17:55. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106038



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 13:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01 AM B9 31 SL	M106038-01	Soil	06/13/01 15:30	06/13/01 17:55
01 AM B9 32 SL	M106038-02	Soil	06/13/01 15:35	06/13/01 17:55
01 AM B9 33 SL	M106038-03	Soil	06/13/01 15:40	06/13/01 17:55
01 AM B9 34 SL	M106038-04	Soil	06/13/01 15:45	06/13/01 17:55
01 AM B9 35 SL	M106038-05	Soil	06/13/01 15:50	06/13/01 17:55
01 AM B9 36 SL	M106038-06	Soil	06/13/01 15:55	06/13/01 17:55

C.O.C. #79

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/15/01 13:08

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01 AM B9 31 SL (M106038-01) Soil					Sampled: 06/13/01 Received: 06/13/01				
Gasoline Range Hydrocarbons	ND	9.43	mg/kg	1	NWTPH HCID	06/14/01	06/14/01	0106048	
Diesel Range Hydrocarbons	ND	23.6	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	47.1	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>110 %</i>	<i>50-150</i>							
01 AM B9 32 SL (M106038-02) Soil					Sampled: 06/13/01 Received: 06/13/01				
Gasoline Range Hydrocarbons	ND	9.87	mg/kg	1	NWTPH HCID	06/14/01	06/14/01	0106048	
Diesel Range Hydrocarbons	ND	24.7	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	49.4	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>109 %</i>	<i>50-150</i>							
01 AM B9 33 SL (M106038-03) Soil					Sampled: 06/13/01 Received: 06/13/01				
Gasoline Range Hydrocarbons	ND	9.58	mg/kg	1	NWTPH HCID	06/14/01	06/14/01	0106048	
Diesel Range Hydrocarbons	ND	23.9	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	47.9	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>109 %</i>	<i>50-150</i>							
01 AM B9 34 SL (M106038-04) Soil					Sampled: 06/13/01 Received: 06/13/01				
Gasoline Range Hydrocarbons	ND	9.61	mg/kg	1	NWTPH HCID	06/14/01	06/14/01	0106048	
Diesel Range Hydrocarbons	ND	24.0	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	48.0	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>94.8 %</i>	<i>50-150</i>							
01 AM B9 35 SL (M106038-05) Soil					Sampled: 06/13/01 Received: 06/13/01				
Gasoline Range Hydrocarbons	ND	12.9	mg/kg	1	NWTPH HCID	06/14/01	06/14/01	0106048	
Diesel Range Hydrocarbons	10500	32.3	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	85.0	64.7	"	"	"	"	"	"	D-11
<i>Surr: 1-Chlorooctadecane</i>	<i>149 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Reported:
06/15/01 13:08

Hydrocarbon Identification per NW-TPH Methodology
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01 AM B9 36 SL (M106038-06) Soil						Sampled: 06/13/01 Received: 06/13/01			
Gasoline Range Hydrocarbons	ND	8.87	mg/kg	1	NWTPH HCID	06/14/01	06/14/01	0106048	
Diesel Range Hydrocarbons	155	22.2	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	44.4	"	"	"	"	"	"	
<i>Surr: 1-Chlorooctadecane</i>	<i>115 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
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Reported:
06/15/01 13:08

Hydrocarbon Identification per NW-TPH Methodology - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106048 - TPH-HCID (WA)

Blank (0106048-BLK1)

Prepared & Analyzed: 06/14/01

Gasoline Range Hydrocarbons	ND	10.0	mg/kg
Diesel Range Hydrocarbons	ND	25.0	"
Heavy Oil Range Hydrocarbons	ND	50.0	"

<i>Surr: 1-Chlorooctadecane</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>	<i>109</i>	<i>50-150</i>
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North Creek Analytical - Mobile Lab

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Reported:
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Notes and Definitions

D-11 Detected hydrocarbons in the heavy/oil range appear to be due to overlap of diesel range hydrocarbons.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106038 FINAL 06 15 01 1308.mdb Default Report (not modified)
M106038-05	NW-HCID mod	Heavy Oil Range Hydrocarbons	D-11